

**ABSTRACT**

Method, apparatus and system for determining accurately at least one coordinate of a sensor (or a transducer including a sensor) relative to a predetermined reference location, particularly where the sensor is part of a transducer for ground penetrating radar. A marker detector is positioned in a predetermined relationship with the sensor; a marker is detected with the marker detector and positional information associated with the marker is received, from which a position of the transducer or sensor is determined, based on the received positional information associated with the marker and the predetermined relationship between the marker detector and the sensor. The marker may, for example, be a bar code and the marker detector may be an optical scanner. The sensor may be a receiving antenna for a GPR signal.